



RF Exposure Analysis – SAR Test Exemption – SBB01

FCC ID: 2AFT3-SB01

The SBB01 equipment operates using a 2402-2480 MHz transmitter (Bluetooth LE, ShockBurst).

The following FCC Rule Parts are applicable:

- Part 2.1093 – Radiofrequency radiation exposure evaluation: portable devices
- Part 1.1307(b)(3)(i)(A) - Blanket RF exposure exemption (i)
- Part 1.1307(b)(3)(i)(C) - SAR test exemption (ii)
- Part 1.1307(b)(3)(i)(B) - SAR test exemption (iii)

For the model SBB01

Bluetooth LE:

Operating Frequency: 2402-2480 MHz

Max. Tx Power (conducted): -2 dBm (0.631 mW)

ShockBurst:

Operating Frequency: 2402-2480 MHz

Max. Tx Power (conducted): -6 dBm (0.251 mW)

Max. source-based, time-averaged power (based on a worst-case duty cycle of 100%) = 0.631 mW (conducted)


Evaluation

From Part 2.1093(c)(1), RF exposure exemption applies if the maximum transmitted power is less than the maximum of the following three criteria:

- i) Less than 1 mw Blanket exemption. $PTH = 0.001\text{ W}$ – §1.1307(b)(3)(i)(A)
- ii) determination of exemption under the MPE-based §1.1307(b)(3)(i)(C), if i) not met
- iii) determination of exemption under the SAR-based §1.1307(b)(3)(i)(B) if both i) and ii) are not met;

Conclusion

The SBB01 source-based, time-averaged power is less than 1mW, so it complies with the RF exposure blanket exemption in accordance with §1.1307(b)(3)(i)(A).

Signature:  _____ Date: 03/26/2024